

論文リスト (List of Papers)

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査読付き論文 (Peer-reviewed papers)

- [1] N. Hamamoto, *Sharp Rellich-Leray inequality for axisymmetric divergence-free vector fields*, Calculus of Variations and Partial Differential Equations **58** (2019), no. 4, 149.
- [2] N. Hamamoto, *Three-dimensional sharp Hardy-Leray inequality for solenoidal fields*, Nonlinear Analysis **191** (2020), 111634.
- [3] N. Hamamoto, *Sharp Rellich-Leray inequality with any radial power weight for solenoidal fields*, Calculus of Variations and Partial Differential Equations **60** (2021), no. 2, 65.
- [4] N. Hamamoto, *A simpler expression for costin-maz'ya's constant in the hardy-leray inequality with weight*, Archiv der Mathematik **116** (2021), no. 5, 571-576.
- [5] N. Hamamoto, *Sharp Uncertainty Principle inequality for solenoidal fields*, Journal de Mathématiques Pures et Appliquées **172** (2023), 202-235.
- [6] N. Hamamoto, *A note on the 1-D minimization problem related to solenoidal improvement of the uncertainty principle inequality*, Archiv der Mathematik **123** (2024), no. 6, 653-662.
- [7] N. Hamamoto, *Sharp Hardy-Leray inequality for solenoidal fields*, Journal of Functional Analysis **287** (2024), no. 2, 110461.
- [8] N. Hamamoto, *Solenoidal improvement of Rellich-Hardy inequalities with power weights*, Calculus of Variations and Partial Differential Equations **63** (2024), no. 4, 84.
- [9] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray inequality for three-dimensional solenoidal fields with axisymmetric swirl*, Communications on Pure & Applied Analysis **19** (2020), no. 6, 3209-3222.
- [10] N. Hamamoto and F. Takahashi, *Best constant of the critical Hardy-Leray inequality for curl-free fields in two dimensions*, Mathematical Inequalities & Applications **24** (2021), no. 2, 399-404.
- [11] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray and Rellich-Leray inequalities for curl-free vector fields*, Mathematische Annalen **379** (2021), no. 1, 719-742.
- [12] N. Hamamoto and F. Takahashi, *Sharp Hardy-Leray inequality for curl-free fields with a remainder term*, Journal of Functional Analysis **280** (2021), no. 1, 108790.

プレプリント (Preprints)

- [13] N. Hamamoto and F. Takahashi, *A curl-free improvement of the Rellich-Hardy inequality with weight*, OCAMI Preprint Series 2020, arXiv:2101.01878 [math.AP].